

2/22/02  
03/22/02

Patent  
Attorney's Docket No. 032481-034

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Mukesh K. PATEL, et al. ) Group Art Unit: unknown  
Application No.: 09/938,886 ) Examiner: to be assigned  
Filed: August 24, 2001 )  
For: JAVA HARDWARE ACCELERATOR USING )  
THREAD MANAGER )

**INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

**RECEIVED**  
**MAR 12 2002**  
**Technology Center 2100**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.


- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404

By:   
Joseph P. O'Malley  
Registration No. 36,226  
Redwood Shores, California Office  
Tel: (650) 622-2333

Date: March 5, 2002



Patent  
Attorney's Docket No. 032481-034

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
)  
Mukesh K. PATEL, et al. ) Group Art Unit: unknown  
)  
Application No.: 09/938,886 ) Examiner: to be assigned  
)  
Filed: August 24, 2001 )  
)  
For: JAVA HARDWARE ACCELERATOR USING )  
THREAD MANAGER )

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**RECEIVED**  
**MAR 12 2002**  
**Technology Center 2100**

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98(d), copies of the listed documents are not included. Copies of the listed documents were previously submitted in prior Application Serial No. 09/208,741, filed December 8, 1998, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120.

**U.S. PATENT DOCUMENTS**

5,142,681	Driscoll et al.	Aug 1992
5,163,139	Haigh et al.	Nov 1992
5,193,180	Hastings	Mar 1993
5,201,056	Daniel et al.	Apr 1993
5,241,636	Kohn	Aug 1993
5,333,296	Bouchard et al.	Jul 1994
5,335,344	Hastings	Aug 1994
5,355,460	Eickemeyer et al.	Oct 1994
5,430,862	Smith et al.	Jul 1995
5,481,684	Richter et al.	Jan 1996
5,490,256	Mooney et al.	Feb 1996
5,535,329	Hastings	Jul 1996
5,542,059	Blomgren	Jul 1996
5,574,927	Scantlin	Nov 1996
5,692,170	Isaman	Nov 1997

Information Disclosure Statement  
Application No. 09/938,886  
Attorney Docket No. 032481-034

5,768,593	Walters et al.	Jun 1998
5,781,750	Blomgren et al.	Jul 1998
5,774,868	Cragun et al.	Jun 1998
5,898,885	Dickol et al.	Apr 1999
5,619,666	Coon et al.	Apr 1997
5,634,118	Blomgren	May 1997
5,983,334	Coon et al.	Nov 1999
6,209,077	Robertson et al.	Mar 2001
4,860,191	Nomura et al.	Aug 1989
5,077,657	Cooper et al.	Dec 1991
5,313,614	Goettelmann et al.	May 1994
5,577,233	Goettelmann et al.	Nov 1996
5,650,948	Gafter	Jul 1997
5,794,068	Asghar et al.	Aug 1998
6,026,485	O'Connor et al.	Feb 2000
5,923,892	Levy	Jul 1999
5,838,165	Chatter	Nov 1998
6,081,665	Nilsen	Jun 2000
6,118,940	Alexander III et al.	Sep 2000
6,141,794	Dice et al.	Oct 2000
4,524,416	Stanley et al.	Jun 1985
6,110,226	Bothner	Aug 2000
6,075,940	Gosling	Jun 2000
6,139,199	Rodriguez	Oct 2000
5,905,895	Halter	May 1999
5,805,895	Breternitz, Jr. et al.	Sep 1998
6,131,191	Cierniak et al.	Oct 2000
6,125,439	Tremblay et al.	Sep 2000
6,108,768	Koppala et al.	Aug 2000
6,065,108	Tremblay et al	May 2000
4,587,612	Fisk et al	May 1986
4,631,663	Chilinski et al	Dec 1986
4,763,255	Hopkins et al	Aug 1988
4,783,738	Li et al	Nov 1988
4,961,141	Hopkins et al	Oct 1990
5,136,696	Beckwith et al	Aug 1992

5,937,193	Evoy	Aug 1999
5,898,850	Dickol et al	Apr 1999
5,668,999	Gosling	Sep 1997
5,748,964	Gosling	May 1998
5,113,522	Dinwiddie, Jr. et al	May 1992
5,218,711	Yoshida	Jun 1993
5,889,996	Adams	Mar 1999
5,809,336	Moore et al	Sep 1998
5,784,584	Moore et al.	Jul 1998
5,778,178	Arunachalam	July 1998
5,764,908	Shoji et al	Jun 1998
5,659,703	Moore et al	Aug 1997
5,903,761	Tyma	May 1999
5,761,477	Wahbe et al.	Jun 1998
6,021,469	Tremblay et al.	Feb 2000
5,923,892	Levy	Jul 1999
5,953,741	Evoy	Sep 1999
5,875,336	Dichol et al.	Feb. 1999
5,999,731	Yellin et al.	Dec. 1999
6,131,144	Koppala	Oct. 2000
6,158,048	Lueh et al.	Dec. 2000
6,167,488	Koppala	Dec. 2000

#### NON PATENT LITERATURE DOCUMENTS

"Sun says JAVA chips will vastly increase speed, reduce costs to run JAVA programs," Interactive Daily, downloaded from the Internet (Dec 1996)

Andreas Krall, "Efficient JAVA VM Just-In-Time Compilation," IEEE 1998

Debaere and Campenhout, "Interpretation and Instruction Path Coprocessing," ©1990 The MIT Press

"SGI WebForce 02 is a one-stop Web authoring platform," InfoWorld, January 20, 1997.

Krall, et al., "CACAO - A 64-bit Java VM just-in-time compiler," Concurrency: Practice and Experience, Vol. 9 (11), pp. 1017-1030, November 1997.

Debaere and Campenhout, "Interpretation and Instruction Path Coprocessing," ©1990 The MIT Press


The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or statement is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: \_\_\_\_\_

  
Joseph P. O'Malley  
Registration No. 36,226  
Redwood Shores, California Office  
Tel: (650) 622-2333

P.O. Box 1404  
Alexandria, Virginia 22313-1404

Date: March 5, 2002